

Appendix G

Verification of DQO Attainment

G.1 VERIFYING DQO ATTAINMENT.

Verifying the attainment of the data quality objective (DQO) statements should be done as follows:

- Verification should generally be done by the data user perspective(s) that will be using the data;
- Verification of DQO attainment must be completed before the data are used by the data users;
- All data quality requirements of a DQO statement should be verified; and
- Verification of DQO attainment is typically required to ensure contract compliance.

The DQO Attainment Verification worksheet provided in this appendix would be useful for verifying DQO attainment when the DQO statements were originally developed using the TPP process. The U.S. Environmental Protection Agency's (EPA's) Guidance for Data Quality Assessment should also be referenced when verifying DQO attainment.²⁰ EPA's guidance is particularly suited for verifying DQO attainment when probabilistic decisions are involved.

G.2 CORRECTIVE ACTION CONSIDERATIONS.

Appropriate corrective actions should be taken whenever data obtained are inadequate for the intended use(s). After completing an assessment of the effects of a missed DQO, the source or cause for missing the DQO should be investigated and understood by the team. When possible and necessary, re-sampling, and/or re-analysis, should then be performed at the expense of the responsible party (e.g., government, contractor, laboratory).

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DQO ATTAINMENT VERIFICATION WORKSHEET

PAGE ____ of ____

SITE: _____

PROJECT: _____

DQO STATEMENT NUMBER: _____

DQO Element Number ^a	DQO Element Description ^a	Site-Specific DQO Statement ^b	Attained?	Required Corrective Action?
Intended Data Use(s):				
1	Project Objective(s) Satisfied		Yes ____ No ____	
Data Need Requirements:				
2	Data User Perspective(s)		Yes ____ No ____	
3	Contaminant or Characteristic of Interest		Yes ____ No ____	
4	Media of Interest		Yes ____ No ____	
5	Required Sampling Locations or Areas and Depths		Yes ____ No ____	
6	Number of Samples Required		Yes ____ No ____	
7	Reference Concentration of Interest or Other Performance Criteria		Yes ____ No ____	
Appropriate Sampling and Analysis Methods:				
8	Sampling Method		Yes ____ No ____	
9	Analytical Method		Yes ____ No ____	

^a Refer to Paragraph 4.2.1, p 4-4 to 4-5.

^b DQO statement should be taken directly from originating DQO worksheet or corresponding SOW.